From: Fry, Jessica [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP
(FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B8BD79D43F5A4AD1AE1A2F5FC5686D9B-FRY, JESSICA]
Sent: 11/23/2021 11:19:42 AM
To: Werner, Lora S. (ATSDR/OAD/OCHHA) [lkw9@cdc.gov]
Subject: RE: B.Braun EPA modeling; questions for EPA

Thank you for the kind words Lora...I appreciate it.

From: Werner, Lora S. (ATSDR/OAD/OCHHA) <lkw9@cdc.gov>
Sent: Monday, November 22, 2021 10:57 AM
To: Fry, Jessica <fry.jessica@epa.gov>
Subject: Re: B.Braun EPA modeling; questions for EPA

Ex. 6 Personal Privacy (PP)

From: Fry, Jessica <fry.jessica@epa.gov>
Sent: Monday, November 22, 2021 10:47 AM
To: Werner, Lora S. (ATSDR/OAD/OCHHA) <lkw9@cdc.gov>
Subject: RE: B.Braun EPA modeling; questions for EPA

I just proposed a little bit of a later time, hopefully that works for you.

I also did manage to finally get HEM installed, but I haven't had a chance to test it. **Ex. 6 Personal Privacy (PP)**
Ex. 6 Personal Privacy (PP) With the new administrator,
everything that pops up is urgent, so there's just a lot going on. Hopefully, we can sort through some of your issues next week.

From: Werner, Lora S. (ATSDR/OAD/OCHHA) <lkw9@cdc.gov>
Sent: Monday, November 22, 2021 10:37 AM
To: Fry, Jessica <fry.jessica@epa.gov>
Cc: gfu6@cdc.gov; Arunachalam, Sasi (CDC pa.gov) <sarunachal@PA.GOV>
Subject: Re: B.Braun EPA modeling; questions for EPA

thanks a million Jessie
I sent an invite for 9 am next Tues - it seems like you are free then, but if not happy to find a different time. Lora

From: Fry, Jessica <fry.jessica@epa.gov>
Sent: Monday, November 22, 2021 10:16 AM
To: Werner, Lora S. (ATSDR/OAD/OCHHA) <lkw9@cdc.gov>
Cc: Helverson, Robert (ATSDR/OAD/OCHHA) <gfu6@cdc.gov>; Arunachalam, Sasi (CDC pa.gov) <sarunachal@PA.GOV>
Subject: RE: B.Braun EPA modeling; questions for EPA

We can set up some time next week to talk...it might be easier with answering the question. I can answer some of the ones below, but we can still set some time up to talk.

EPA used only the facility data (instead of accounting for all emission sources in NATA modeling) to determine the EtO risk around the B.Braun facility. If so, did they include TRI emission data to predict these estimated exposure values? We used the facility data from the NEI, which is also what was used in the NATA modeling. We pulled the emission data by data point directly from the inventory system, and these emissions came from PADEP. EPA only uses TRI data if the state doesn't report emissions from a facility.

In addition, what is the averaging time for these values? Is it 1 hr / 8 hr average or 1 yr average etc.? When only had emission data as a yearly total, so that was the averaging time.

There were no other modeling assumptions. It was a very basic HEM model run using the emissions from the emissions inventory system. We used all of the HEM defaults and did not change anything ourselves.

Thanks,
Jessie

From: Werner, Lora S. (ATSDR/OAD/OCHHA) <lkw9@cdc.gov>
Sent: Monday, November 22, 2021 8:57 AM
To: Fry, Jessica <fry.jessica@epa.gov>
Cc: gfu6@cdc.gov; Arunachalam, Sasi (CDC pa.gov) <sarunachal@PA.GOV>
Subject: Fw: B.Braun EPA modeling; questions for EPA

Hi, Jess!

I know last time we emailed on 10/6, you were still struggling with EPA's help desk to try and re install HEM3 and also trying to run HEM4. I wasn't sure if anything ever panned out for you??

I went ahead and moved forward with sharing my HQ's modeling related comments on Braun with PADOH. As you can see from Sasi's email below, this did raise some questions for her. Would it be easier to talk together? Are you around this week or would next week be better?

Thank you, Lora

Lora Siegmann Werner, MPH (she/her)

Regional Director

Office of Community Health and Hazard Assessment (OCHHA)

Agency for Toxic Substances and Disease Registry (ATSDR)

Centers for Disease Control and Prevention (CDC)

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From: Arunachalam, Sasidevi <sarunachal@pa.gov>
Sent: Tuesday, November 16, 2021 3:40 PM
To: Werner, Lora S. (ATSDR/OAD/OCHHA) <lkw9@cdc.gov>
Cc: Nair, Anil (CDC pa.gov) <annair@pa.gov>
Subject: B.Braun EPA modeling

Hi Lora,

Once again, much appreciate all your support for coordinating materials and information regarding B.Braun. I also much appreciate SME comments from Atlanta. I could address most of their recommendations for the HC if I could get more information from EPA regarding B.Braun HEM/AERMOD modeling data.

Jessica Fry mentioned that EPA used only the facility data (instead of accounting for all emission sources in NATA modeling) to determine the EtO risk around the B.Braun facility. If so, did they include TRI emission data to predict these estimated exposure values? In addition, what is the averaging time for these values? Is it 1 hr / 8 hr average or 1 yr average etc.? Any other modeling assumption they used to predict these values will also be very helpful for me to address SME's comments and suggestions. Please let me know if you need any clarity on my questions above.

Thank you,
Sasi